

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014406**Date Inspected:** 17-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: Yu Dong Ping
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: Yes No N/A
Approved WPS: Yes No N/A
Delayed / Cancelled: Yes No N/A

Bridge No: 34-0006**Component:** Tower Components**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY#10

This QA Inspector observed the following work in progress:

Flux cored Arc Welding (FCAW):

Weld joint # 24 located on Bearing Stiffener of Shear plate ED1 – A27B/E. Welder is identified as 040367. ZPMC Quality Control (QC) Inspector is identified as Li Peng Fei. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2331 – Tc – P4 – F.

Weld joint # 43 located on Bearing Stiffener of Shear plate ED1 – A27B/E. Welder is identified as 057244. ZPMC Quality Control (QC) Inspector is identified as Li Peng Fei. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2331 – Tc – P4 – F.
(See attached photo)

Weld joint # 26 located on Bearing Stiffener of Shear plate ED1 – A27B/E. Welder is identified as 053870. ZPMC Quality Control (QC) Inspector is identified as Li Peng Fei. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2331 – Tc – P4 – F.

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BAY#11

This QA Inspector observed the following work in progress:

Submerged Arc Welding (SAW):

Weld joint # 3A located on Grillage Top Plate GTSA5 – B/G. Welder is identified as 044550. ZPMC Quality Control (QC) Inspector is identified as Xu Jin long. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2221 – B – U3c – S – 2. (See attached photo)

Weld joint # 6A located on Grillage Top Plate GTSA5 – B/G. Welder is identified as 042195. ZPMC Quality Control (QC) Inspector is identified as Xu Jin long. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2221 – B – U3c – S – 2.

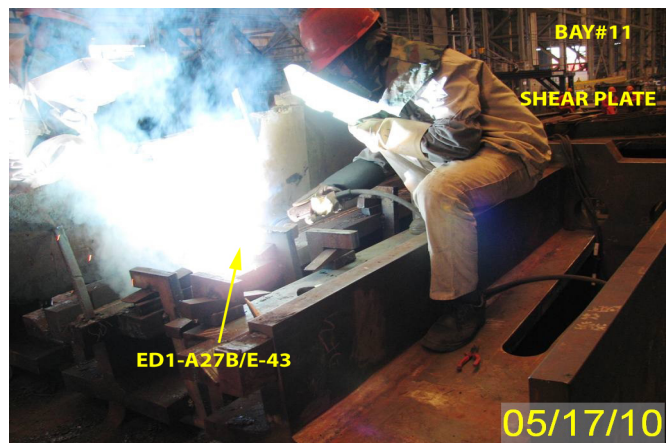
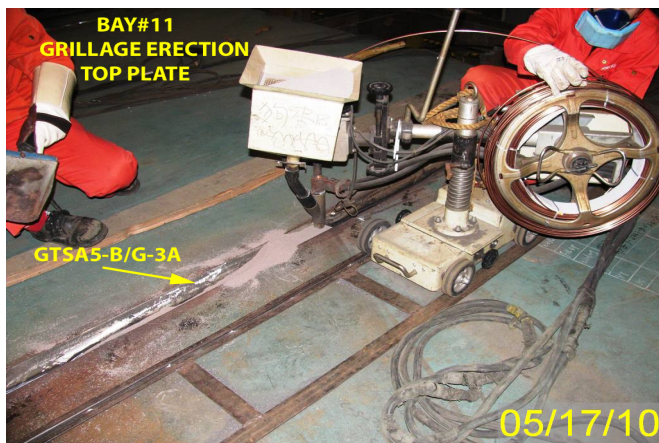
Shielded Metal Arc Welding (SMAW):

Weld joint # 9B located on Tower Strut ED1 – STSA4 – 6 – 143M – 2. Welder is identified as 046704. ZPMC Quality Control (QC) Inspector is identified as Yu Dong Ping. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2221 – TC – U5b.

Weld joint # 5A located on Tower Strut WD1 – STSA4 – 5– 135M – 1. Welder is identified as 040611. ZPMC Quality Control (QC) Inspector is identified as Yu Dong Ping. The welding variables recorded by QC appeared to comply with the WPS – B – T – 3212 – Tc – U5b – 1.

Weld joint # 7B located on Tower Strut WD1 – STSA4 – 5– 119M – 1. Welder is identified as 040619. ZPMC Quality Control (QC) Inspector is identified as Yu Dong Ping. The welding variables recorded by QC appeared to comply with the WPS – B – T – 2221 – TC – U5b.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No Relevant Conversations.

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Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Sandeep	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
